

NT COOPERATION TREATY



From the INTERNATIONAL SEARCHING AUTHORITY

To:
LING T, CHWANG
JACKSON WALKER L.L.P
2435 N. CENTRAL EXPRESSWAY
SUITE 600
RICHARDSON, TX 75080

PCT

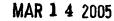
LING T, CHWANG					
JACKSON WALKER L.L.P 2435 N. CENTRAL EXPRESSWAY	NOTIFICATION OF TRANSMITTAL OF				
SUITE 600	THE INTERNATIONAL SEARCH REPORT				
RICHARDSON, TX 75080	OR THE DECLARATION				
MCIE LEGOT,	OR THE DECEMENT				
	(PCT Rule 44.1)				
	Date of Mailing				
	Date of Mailing (day/month/year) 11 WAR ZUIS				
Applicant's or agent's file reference					
218601.00004	FOR FURTHER ACTION See paragraphs 1 and 4 below				
	International filing date				
International application No.	(day/month/year)				
PCT/US03/28782	12 September 2003 (12.09.2003)				
Applicant					
TEXAS TECH UNIVERSITY SYSTEM					
1. The applicant is hereby notified that the international se	earch report has been established and is transmitted herewith.				
Filing of amendments and statement under Article 1	9:				
The applicant is entitled, if he so wishes, to amend the	claims of the international application (see sense 10).				
international search report.	is normally two months from the date of transmittal of the				
Where? Directly to the International Bureau of WI 1211 Geneva 20, Switzerland, Facsimile N	PO, 34, chemin des Colombettes No.: (41-22) 740.14.35				
For more detailed instructions, see the notes on the	e accompanying sheet.				
2. The applicant is hereby notified that no international se Article 17(2)(a) to that effect is transmitted herewith.	2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.				
3. With regard to the protest against payment of (an) ad	ditional fee(s) under Rule 40.2, the applicant is notified that:				
the protect together with the decision thereon has been transmitted to the International Bureau together with the					
applicant's request to forward the texts of both the	applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
no decision has been made yet on the protest, the	appricant with the notified to soon to be seen to be se				
4. Reminders					
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.					
In respect of other designated Offices, the time limit of 30 mo	onths (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.					
	111111111111111111111111111111111111111				

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230

Telephone No. (571) 272-1600: PJT EXAMINER

Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)





PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applic 218601		or agent's file reference 04	FOR FURTHER ACTION		cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow.		
			International filing date (day/month/year) (Earliest) Priority I		(Earliest) Priority Date (day/month/year) 16 September 2002 (16.09.2002)		
Applicant TEXAS TECH UNIVERSITY SYSTEM							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of							
ľ	 Basis of the Report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 						
b.		Authority (Rule 23.1(b)).	and/or amino acid sequence disclo		international application furnished to this international application, the international		
2	XI-		application in written form.				
	즥	•	ational application in computer read	able form.			
	=	furnished subsequently to thi					
<u> </u>	╡	•	s Authority in computer readable fo				
L		the statement that the subsequinternational application as fi	uently furnished written sequence listled has been furnished.	sting does i	not go beyond the disclosure in the		
		the statement that the information been furnished.	ation recorded in computer readable	form is id	entical to the written sequence listing has		
2.	Certain claims were found unsearchable (See Box I).						
3.	Unity of invention is lacking (See Box II).						
4. W	Vith r	egard to the title,					
	싁	the text is approved as submi					
L		the text has been established	by this Authority to read as follows:	:			
5. W	/ith r	egard to the abstract,					
Ë		the text is approved as submit	tted by the applicant.				
ř	┪	- ·	• • •	Authority a	s it appears in Box III. The applicant may,		
_					t, submit comments to this Authority.		
6. <u>T</u>	The figure of the drawings to be published with the abstract is Figure No. 4						
\sum	₹	as suggested by the applicant.			None of the figures		
		because the applicant failed to	suggest a figure.				
		because this figure better char	racterizes the invention.				
		•					

Form PCT/ISA/210 (first sheet) (July 1998)

Inter nal app	li
PCT/ 28782	Z

IPC(7) US CL According to B. FIEL Minimum doc U.S.: 43	SSIFICATION OF SUBJECT MATTER : C12Q 1/68; C07H 21/04 : 435/6; 536/23.1, 24.3 International Patent Classification (IPC) or to both r. DS SEARCHED cumentation searched (classification system followed 35/6; 536/23.1, 24.3 on searched other than minimum documentation to the	by classification symbols)	n the fields searched			
Please See Co	ta base consulted during the international search (name on tinuation Sheet	ne of data base and, where practicable, sear	rch terms used)			
	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where		Relevant to claim No.			
X 	BRUNO et al. In vitro selection of DNA aptamers electrochemiluminescence detection. Biosensors &		1-36			
A	457-464.					
A	US 5,705,340 (RASMUSSEN et al.) 06 January 19 column 10, lines 28-40).	1-41				
A	US 2002/0095073 A1 (JACOBS et al.) 18 July 2002 (18.07.2002), sections [0094], [0260], and [0267].					
Further	documents are listed in the continuation of Box C.	See patent family annex.				
• Sp	ecial categories of cited documents:	"T" later document published after the inter				
	defining the general state of the art which is not considered to be ar relevance	date and not in conflict with the applica principle or theory underlying the inves	ntion			
•	lication or patent published on or after the international filing date	"X" document of particular relevance; the c considered novel or cannot be consider when the document is taken alone	laimed invention cannot be ed to involve an inventive step			
	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as "Y" document of particular relevance; the claimed invention cannot be specified) considered to involve an inventive step when the document is					
	eferring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art				
priority date	priority date claimed					
	Date of the actual completion of the international search Date of mailing of the international search report					
	22 February 2005 (22.02.2005) 1 1 MAR 2005					
Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (7/3) 305-3230 Authorized office: Young Commissioner for Patents Young Commissioner for Patents						

Form PCT/ISA/210 (second sheet) (July 1998)



INTERNATIONAL SEARCH REPORT



BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-41, drawn to a method of identifying a nucleic acid ligand and a composition comprising a nucleic acid ligand, particularly said ligand of SEQ ID No. 4.

Group II, claim(s) 42-47, drawn to a composition comprising a nucleic acid ligand, particularly said ligand of SEQ ID Numbers 5 and 6.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

37 CFR 1.475 which governs Lack of Unity practice in International and National Stage Application recites that an international or a national application containing claims to different categories of invention will be considered to have unity of invention if the claims are drawn to only one of the following combination of categories:

- 1) a product and a process specially adapted for the manufacture of said product; or
- 2) a product and process of use of said product; or
- 3) a product and a process specially adapted for the manufacture of said product; and a use of said product; or
- 4) a process and an apparatus or means specifically designed for carrying out the said process; or
- 5) a product, a process specially adapted for the manufacture of the said product, and an apparatus or means specifically designed for carrying out the said process.

Instant application contains two different products (i.e., composition) comprising two different nucleic acid ligands (as denoted by their different SEQ ID Numbers). 37 CFR 1.475 states that if an application contains claims to "more or less than one of the combination of categories of invention set forth in paragraph (recited above), unity of invention might not be present. Since the first method and the first composition, categorized by a single category of invention, have already been grouped together, the additional composition would lack unity of invention as being drawn to an additional category. Additionally, the two compositions would lack unity of invention as the special technical feature critical to the invention, that is the SEQ ID Number, is not shared between the two compositions, as their sequences are clearly different (pages 31 and 35).

Continuation of B. FIELDS SEARCHED Item 3:

Non Patent Literature Databases

Patent Databases (USPT, USPGP, EPO, JPO, DERWENT, IBM-TDB)

search terms: anthrax, anthracis, lactamase, matallo and lactamase, SELEX, aptamers, inhibit, treatment.



The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing as the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added.
- [Where originally there were 15 claims and after amendment of all claims there are 11]: Claims I to 15 replaced by amended claims I to 11.
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

lf, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated elected Office, see the PCT Applicant's Guide, Volume II.